SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	CAMCORDER	Bulletin No. :	98-CAM-E0001
Model :	SCA20/SCA23/SCA25	Bulletin Date :	APR. 08. 1998
Buyer :	SEE ATTACHMENT	ECN Date :	APR. 05. 1998

SUBJECT : Correction of Service Manual (part number error)

Background : Found errors in the parts list of service manual.

(Symptom) Should be corrected as follows. When placing an order as a service parts be sure to order the correct part number.

	PART-NUMBER	DESCRIPTION	LOCA.NO	REMARK
ERROR	AD90-10824L	ASSY-CCD	187	PAGE 6-7
CORRECTION	AD90-10823U	ASSY-CCD BOARD	187	PAGE 6-7
ERROR	AD90-10823T	ASSY-CVF BOARD	613	PAGE 6-17
CORRECTION	AD90-30207U	ASSY-CVF BOARD	613	PAGE 6-17

Application Date : Immediately

(Interchangeability Code : * I.C)

Location No.	OLD (before) Parts		NEW (changed) Parts		*
	SEC Code	Description	SEC Code	Description	I.C

Type	A type	B type	C type	D type	E type	F type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : Serial No. (~ from)

ublished by : J.S. Kang | Checked by : H.Y.Shin | Approved by : B.K.Ku

¡á Distribution List and Remarks

* Bulletin No: 98-CAM-E0001

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	SECA	CANADA	
3	SEPA	PANAMA	
4	SEM	MEXICO/PANAMA	
5	SEMI	PANAMA	
6	SAMCOL	COLUMBIA	
7	SEASA	ARGENTINA	
8	G/SUPPLY	CHILE	
9	RADIO CENTER	CHILE	
10	SAMTRONICS	PERU	
11	SEDA	BRAZIL	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	CAMCORDER	Bulletin No. :	98-CAM-E0002
Model :	VP-A20/A21/A22/A23	Bulletin Date :	APR. 08. 1998
Buyer :	SEE ATTACHMENT	ECN Date :	APR. 05. 1998

SUBJECT : Correction of Service Manual (part number error)

Background : Found errors in the parts list of service manual.

(Symptom) Should be corrected as follows. When placing an order as a service parts be sure to order the correct part number.

	PART-NUMBER	DESCRIPTION	LOCA.NO	REMARK
ERROR	AD90-10824H	ASSY-CCD	187	PAGE 6-7
CORRECTION	AD90-10822W	ASSY-CCD BOARD	187	PAGE 6-7
ERROR	AD90-10828V	ASSY-CVF BOARD	613	PAGE 6-17
CORRECTION	AD90-30208S	ASSY-CVF BOARD	613	PAGE 6-17

Application Date : Immediately

(Interchangeability Code : * I.C)

Location No.	OLD (before) Parts		NEW (changed) Parts		*
	SEC Code	Description	SEC Code	Description	I.C

Type	A type	B type	C type	D type	E type	F type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : Serial No. (~ from)

ublished by : J.S. Kang | Checked by : H.Y.Shin | Approved by : B.K.Ku

¡á Distribution List and Remarks

* Bulletin No: 98-CAM-E0002

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEUK	UK	
2	SEG	GERMANY	
3	SEF	FRANCE	
4	SESA	SPAIN	
5	SEP	PORTUGAL	
6	SEI	ITALY	
7	SESAB	SWEDEN	
8	SEN	NEHTERLAND	
9	SEAU	AUSTRALIA	
10	ZAMA		
11	ECS	UK	
12	SECOSA	SPAIN	
13	AMFO	NEHTERLAND	
14	SEPOL	POLAND	
15	SAPL	SINGAPORE	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

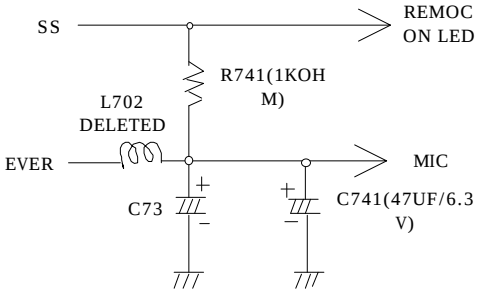
Product :	Camcorder	Bulletin No. :	98-CAM-E0003
Model :	VP-A12	Bulletin Date :	Mar 06. 1998
Buyer :	SEG (GERMANY)	ECN Date :	Mar 04. 1999

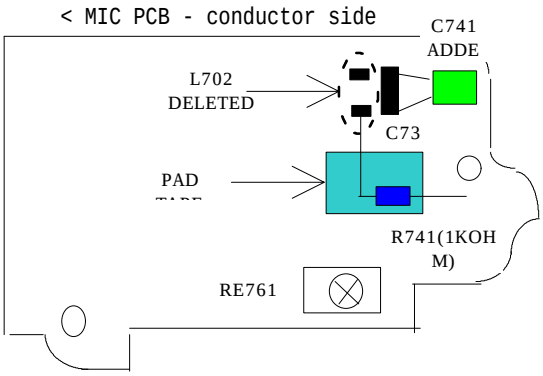
SUBJECT : Trouble countermeasure

Background : The audio noise (crackling) at the beginning of a record.

(Symptom) This failure occurs only during the first record for only one to two minutes.
After this time the record is ok.

Solution : Change the circuits on MIC PCB as shown below.





Application Date : Immediately.

(Interchangeability Code : * I.C)

Location No.	OLD (before) Parts		NEW (changed) Parts		*
	SEC Code	Description	SEC Code	Description	I.C
L702	2703-000397	INDUCTOR-SMD;33UH	--	--	F
R741	--	--	2001-000429	R-CARBON;1KOHM,1/8W	E
C741	--	--	2401-002206	C-AL;47UF,6.3V	E

Type	A type	B type	C type	D type	E type	F type
Interchange Type Code (* I.C)	OLD (Parts) NEW → Early (Prod.) Late	OLD (Parts) NEW → Early (Prod.) Late	OLD (Parts) NEW → Early (Prod.) Late	OLD (Parts) NEW → Early (Prod.) Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application	Reference (O)	Only Defected sets ( )	Whole sets ( )
Attachment	Schematic Diagram ( )	Component Lay-out ( )	Exploded View ( )
	Mechanical Diagram ( )	None (O)	Others ( )
Product Month :	Before october 1997	Serial No. (~ from)	
Published by :	J.S. KANG	Checked by : H.Y. SHIN	Approved by B.K. KU

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Camcorder	Bulletin No. :	97-CAM-E0005
Model :	SCL90 / SCL91	Bulletin Date :	20-May-98
Buyer :	Refer to attached	ECN Date :	19-May-98

SUBJECT : Quality Improve - to prevent of Case Right easy broken

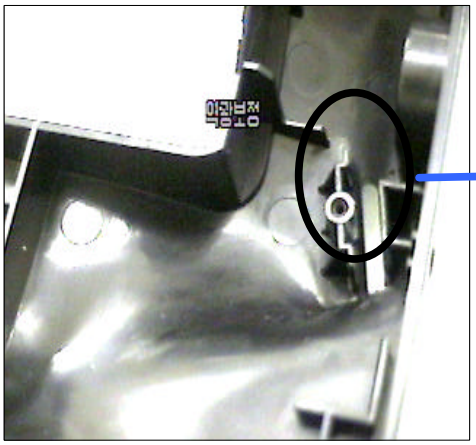
Background : The belt-grip fixing part of Case-Right may be broken easily when a stress is concentrated.

(Symptom) (For the broken location, see the circle of below figure.)

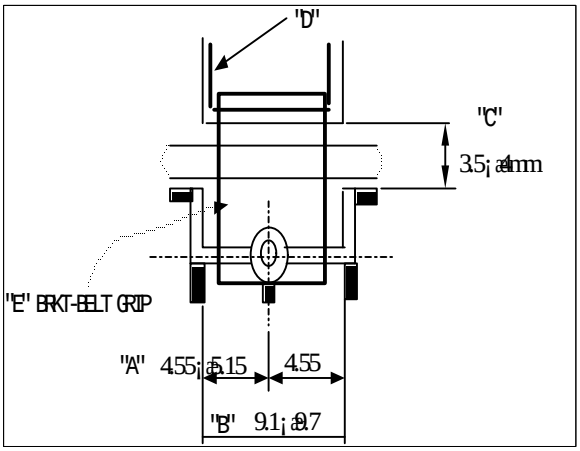
Cause : The width of Holder-Belt Grip is wider than that of Case Rib.

Solution : Change of Case-Right mold.

< INTERBAL SIDE OF CASE-RIGHT>



<DETAILS>



"A" : RIB location (move 0.6mm) "B" : RIB width (broaden 0.6mm)

"C" : RIB location (move 0.5mm) "D" : RIB thickness (thicken 0.2~0.3mm)

"E" : Add BRKT-BELT GRIP

Note : The part number of case-right is not changed.

	SCL90	SCL91	REMARK
CASE-RIGHT	AD64-30875D	AD64-30875D	NOT CHANGED
ASSY-CASE RIGHT	AD98-11227A	AD98-11226A	NOT CHANGED
BRKT-BELT GRIP	AD61-12039A	AD61-12039A	ADDED

Application Date : Immediately

Application	Reference (O)	Only Defected sets ( )	Whole sets ( )
Attachment	Schematic Diagram ( )	Component Lay-out ( )	Exploded View ( )
	Mechanical Diagram ( )	None (O)	Others ( )
Product Month :		Serial No. (~ from)	
Published by : J.S. KANG	Checked by : H.Y. SHIN	Approved by B.K. KU	

¡á Distribution List and Remarks

* Bulletin No: 98-CAM-E0005

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	SEM	MEXICO	
3	SECA	CANADA	
4	SEPA	PANAMA	
5	SEUK	UK	
6	SASA	ARGENTINA	
7	GEN	CHILE	
8	DAN	TAIWAN	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Camcorder	Bulletin No. :	97-CAM-E0006
Model :	VP-A50/A52/A55/A57	Bulletin Date :	26-May-98
Buyer :	Refer to attached	ECN Date :	25-May-98

SUBJECT : Adding the adjustment item in the Service Manaul

Background : Found the error in the service manual on page 5-21.

(Symptom) The below two adjustment items should be added on the page 5-21 of service manaul.
Please attach this svc bulletin to page 5-21 and refer to it when servicing.

2. Model Set

1) STOP

2) EVF/CVF and EVR

3) Confirm the "14 VTR-MODEL" mode by pressing the "Z/MEMO (MODE CHANGE)" button of set.

4) The OSD is to be "EPR:XX EVR:XX".

5). Press the "WIDE(DATA DOWN)/TELE(DATA UP)" button so that OSD shows "EPR:XX EVR:XX".
"XX"is different depend on the models as shown below.
VP-A50 : 50 VP-A52 : 52 VP-A55 : 55 VP-A57 : 57
Press the DISPLAY(Confirm) button, then the EPR:XX changes to EPR:YY.

6). If completed, press the Z/MEMO(MODE CHANGE) button to move to the next adjustment mode.

*. After finishing the adjustment reset main power source(off/on)to operate the memorized model.

3. Zoom VR Center setting

1) STOP

2) EVF/CVF and EVR

3) Confirm the "15 ZOOM-SW" mode by pressing the "Z/MEMO(MODE CHANGE)" button of set.

4) The OSD is to be "EPR:XX EVR:XX".
The data of "EVR:YY" varies 1 to 3 automatically but it is not trouble.

5) Press the DISPLAY(Confirm) button, then the EPR:XX changes to
EPR:YY and the ZOOM VR Center Value setting is over.

6) If completed, press the Z/MEMO(MODE CHANGE) button to move to the next adjustment mode.

*. If you want to stop adjustment, do power resourcing.

Application Date : Immediately.

Application	Reference (O) Only Defected sets ( ) Whole sets ( )		
Attachment	Schematic Diagram ( )	Component Lay-out ( )	Exploded View ( )
	Mechanical Diagram ( )	None (O)	Others ( )
Product Month :		Serial No. (~ from)	
Published by :	J.S. KANG	Checked by H.Y. SHIN	Approved by B.K. KU

¡á Distribution List and Remarks

* Bulletin No: 98-CAM-E0006

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	AMFO	NETHERLAND	
2	ZAMA	SAUDIARABIA	
3	SEF	FRANCE	
4	SEH	HUNGARY	
5	SEI	ITALY	
6	SEG	GERMANY	
7	SECO	SPAIN	
8	SAPL	SINGAPORE	
9	SEAU	AUSTRALIA	
10	SEUK	UK	
11	SEP	PORTUGAL	
12	SESAB	SWEDEN	
13	SIM	AFRICA	
14	NSI	DENMARK	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Camcorder	Bulletin No. :	97-CAM-E0007
Model :	VP-L90/VP-L95	Bulletin Date :	26-May-98
Buyer :	Refer to attached	ECN Date :	25-May-98

SUBJECT : Adding the adjustment item in the Service Manaul

Background : Found the error in the service manual on page 5-19.

(Symptom) The below adjustment item should be added on the page 5-19 of service manaul.
Please attach this svc bulletin to page 5-19 and refer to it when servicing.

3. Zoom VR Center setting

1) STOP
2) EVF/CVF/LCD and EVR
3) Confirm the "15 ZOOM_SW" mode by pressing the "Z/ MEMORY(MODE CHANGE)" button of set.
4) The OSD is to be "EPR:XX EVR:XX".
   The data of "EVR:XX" varies 1 to 3 automatically but it is not trouble.
5) Press the DISPLAY(Confirm) button, then the EPR:XX changes to
   EPR:YY and the ZOOM VR Center Value setting is over.
6) If completed, press the Z/MEMORY(MODE CHANGE) button to move
   to the next adjustment mode.

*. If you want to stop adjustment, do power resourcing.

Application Date : Immediately.

Application	Reference (O)	Only Defected sets ( )	Whole sets ( )
Attachment	Schematic Diagram ( )	Component Lay-out ( )	Exploded View ( )
	Mechanical Diagram ( )	None (O)	Others ( )
Product Month :		Serial No. (~ from)	
Published by : J.S. KANG	Checked by : H.Y. SHIN	Approved by B.K. KU	

¡á Distribution List and Remarks

* Bulletin No: 98-CAM-E0007

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	AMFO	NETHERLAND	
2	ZAMA	SAUDIARABIA	
3	SEF	FRANCE	
4	SEG	GERMANY	
5	SEI	ITALY	
6	SEG	GERMANY	
7	RAD	AUSTRIA	
8	SAPL	SINGAPORE	
9	SEAU	AUSTRALIA	
10	SEUK	UK	
11	SEP	PORTUGAL	
12	SESAB	SWEDEN	
13	SIM	AFRICA	
14	NSI	DENMARK	
15	SECO	SPAIN	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Camcorder	Bulletin No. :	98-CAM-E0008
Model :	SCL90 / SCL91/VP-L90/VP-L95	Bulletin Date :	30-May-98
Buyer :	Refer to attached	ECN Date :	28-May-98

SUBJECT : Trouble Countermeasure

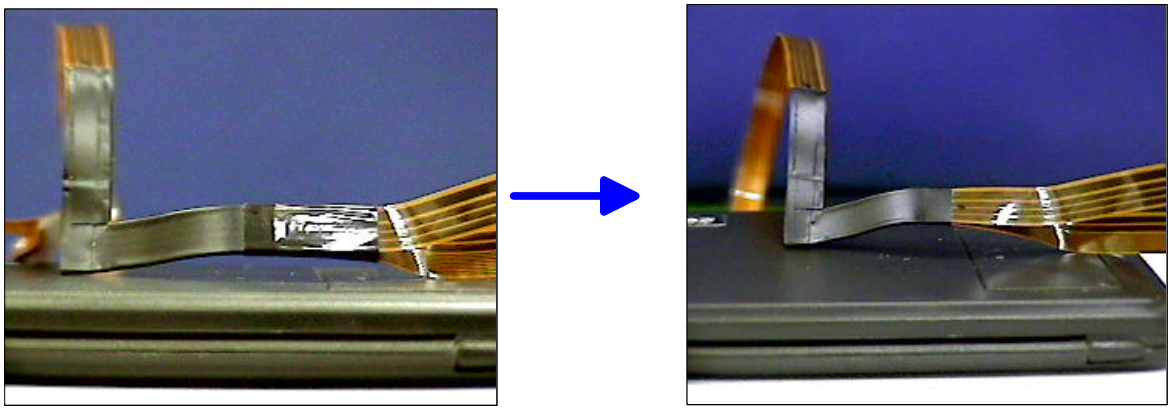
Background : No picture on the LCD screen may be occurred if user rotates the LCD by force.
(Symptom) Please keep in mind that this symptom never takes place under normal conditions.
Cause : If LCD is turned by force, hinge ass'y is damaged and FPC connected between Manu PCB and LCD ass'y is torn .
Solution : There are two kinds of countermeasures depending on the symptom.

How to repair 1 Replace the LCD ass;y if LCD picture is not displayed and LCD is turned to 360
(The part-number of LCD ASS'Y ;

How to repair 2 If LCD picture is not displayed and LCD is turned normallt, please repair as follows.

1) Remove the ass'y light & ass'y left . (For details, refer to the instrument disassembly of service manual.
2) Remove the ass'y LCD & Hinge assy. (For details, refer to the instrument disassembly) of service manual.
3) Replace it with the modified ASS'Y-FPC as follows after confirming the damage of ASS'Y-FPC.

< Defective ASS'Y-FPC> < Modified ASS'Y-FPC>



¡á The part number of modified ASS'Y-FPC : AD41-20301Z.

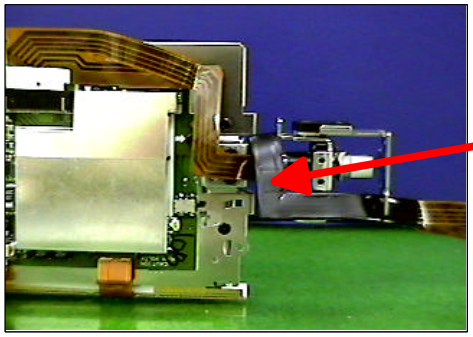
-continued-

Application	Reference (O)	Only Defected sets ( )	Whole sets ( )
Attachment	Schematic Diagram ( )	Component Lay-out ( )	Exploded View ( )
	Mechanical Diagram ( )	None (O)	Others ( )
Product Month :		Serial No. (~ from)	
Published by : J.S. KANG	Checked by : H.Y. SHIN	Approved by B.K. KU	

¡á Additional Information

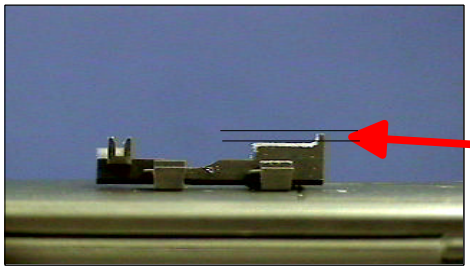
* Bulletin No: 98-CAM-E0008

4) Wind the FPC-LCD 3 times instead of 4 times.(For details, see below figure.)



4 TIMES ¡æ 3 TIMES

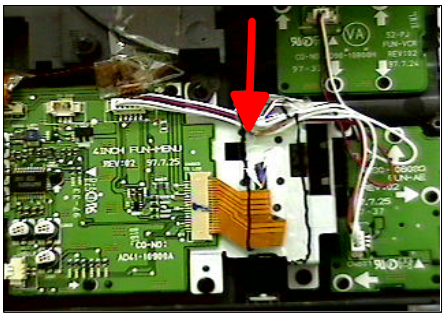
5) File the Cover Bracket Hinge about 1mm. (For detail, see below figure.)

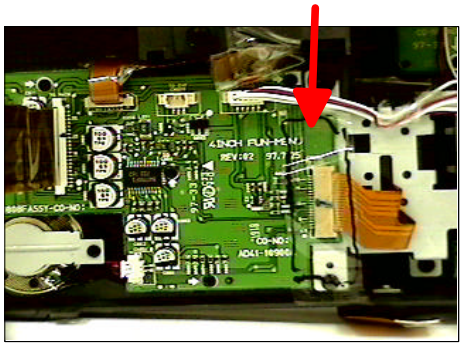


¡áThe part number of Cover Bracket Hinge : AD63-30537A

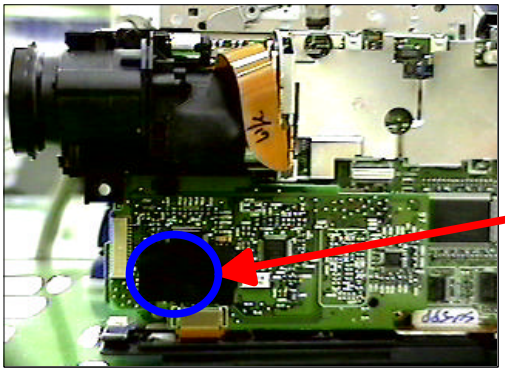
HEIGHT: 5mm

6) Detach the tape attached on the middle of FPC LCD and then attach it to the connector connected to the FUN Menu Board.





7) Replace the black pad attached on Audio Board with tape.



BLACK PAD ¡æ BLACK TAPE

Application Date : Immediately

¡á Distribution List and Remarks

* Bulletin No: 98-CAM-E0008

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	SEM	MEXICO	
3	SECA	CANADA	
4	SEPA	PANAMA	
5	GEN	CHILE	
6	SASA	ARGENTINA	
7	SEF	FRANCE	
8	SEG	GERMANY	
9	SEI	ITALY	
10	SEUK	U.K.	
11	SEAU	AUSTRALIA	
12	SIM	AFRICA	
13	NSI	DENMARK	
14	RAD	AUSTRIA	
15	AMFO	NETHERLAND	
16	ZAMA	SAUDIARABIA	
17	TAW	LEBANON	

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Camcorder	Bulletin No. :	98-CAM-E0010
Model :	VP-A50/A52/A55/A57	Bulletin Date :	Oct28,1998
Buyer :	Refer to attached	ECN Date :	Oct26,1998

SUBJECT : Correction of Service Manual on Auto white balance adjustment method

Background : When adjusting Auto white balance according to the contents on page 5-8 of Service manual.

(Symptom) B-1 and B-2 (W/B outdoor) adjustment does not work.

Cause : It is caused by camera micom bug.
This micom is OK when you adjust the white balance with unique control box.
But, it has the bug only when you adjust the W/B with remocon.

Solution : Reset the W/B indoor adjustment (a-1,a-2) in detail because the indoor data is change during setting the outdoor data.
For details, see the attached document.

Application Date : Immediately

(Interchangeability Code : * I.C)

Location No.	OLD (before) Parts		NEW (changed) Parts		*
	SEC Code	Description	SEC Code	Description	I.C

Type	A type	B type	C type	D type	E type	F type
Interchange Type Code (* I.C)	OLD (Parts) NEW → Early (Prod.) Late	OLD (Parts) NEW → Early (Prod.) Late	OLD (Parts) NEW → Early (Prod.) Late	OLD (Parts) NEW → Early (Prod.) Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None ( ) Others (O)

Product Month : Serial No. (~ from)

Published by : J.S. KANG Checked by : H.K. SHIN Approved by D.N. JEON

SOLUTION FOR AUTO WHITE BALANCE

26th-OCT-98

SAMSUNG CAMCORDER

1.MODEL : VP-A50, A52, A55, A57

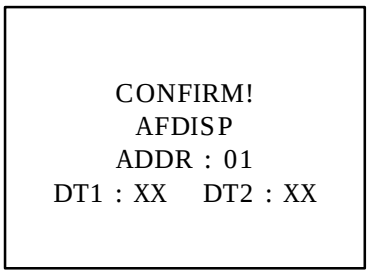
2.REFERENCE S/M PAGE : 5-8 PAGE OF VP-A57 S/Manual

3.Please Change the adjustment method as below instead of manual's one.

4.New Method

1)Camera "E-E", 3100¢ªK / 5100¢ªK gray-scale chart.
(Let the camcorder be in camera mode and REC switch be in stanby mode)
2)Video(output) jack and EVR.

[Before No 3) process, let camcorder be in adjustment mode by pressing both of EJECT button on set and ZOOM-WIDE button in remocon.]



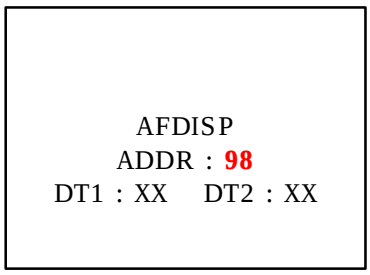
¡ØXX means the data number.
Each ADDRESS has its own data number.

3)Connect vectorscope input jack to video output jack.

a.W/B Indoor

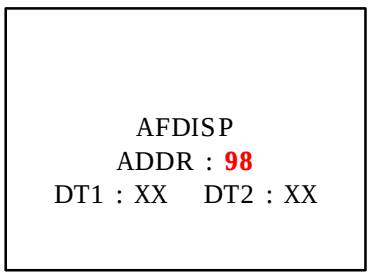
a-1.Aim the camera at a 3100¢ªK gray-scale chart illuminated at 1500 to 2000 lux(40us).

a-2.Press the "F.F(MODE UP)/REW(MODE DOWN)" button so that the OSD state is "ADDR:98 DT1:XX DT2:XX".



¡ØIf you set the ADDRESS to 98, the white vector moves to the center on screen of the vectorscope.

a-3.Press "STOP(CONFIRM)" button.
a-4.Check the mark "CONFIRM!" and data of DT1 on the screen.



¡ØDT1 data should be changed when CONFIRM is pressed.

a-5.Press "F.F" or "REW" to make "ADDRESS" number set to 7A.
And write the data number of DT2.

a-6.Press "F.F" or "REW" to make "ADDRESS" number set to 7B.
And write the data number of DT2.

a-7.Press "F.F" or "REW" to make "ADDRESS" number set to 7C.
And write the data number of DT2.

a-8.Press "F.F" or "REW" to make "ADDRESS" number set to 7D.
And write the data number of DT2.

a-9.Press "F.F" or "REW" to make "ADDRESS" number set to 98 again.

a-10.Press "STOP(CONFIRM)" button to finish 3100¢ªK adjusting.

b.W/B Outdoor

b-1.Aim the camera at a 5100¢ªK (or 3100 ¢ªK and C16 filter)
gray-scale chart illuminated at 1500 to 2000 lux(40us).

b-2.Press the "F.F(MODE UP)/REW(MODE DOWN)" button so that
the OSD state is "ADDR:98 DT1:XX DT2:XX".

b-3. Press "STOP(CONFIRM)" button to check the changing of DT1 data.

b-4.Press "PLAY" or "STILL" button to change the DT1 data number.
(It should be changed over ¡¾1.)

b-5. Press "STOP(CONFIRM)" button to fix 5100¢ªK mode data.
(And check the changing of DT1 data.)

c.W/B Indoor 2nd Adjustment

¡ØWhen the outdoor adjustment is finished, the Indoor data is changed.
It is micon bug. So 2nd Indoor adjustment should be needed.
This have to be done just after b-5 step of above.

c-1.Press "F.F" or "REW" to make "ADDRESS" number set to 7A.
And press "PLAY" or "STILL" button to set the DT1 data to the previous one
which was written in a-5 step.
After pressing "STOP(CONFIRM)" button, the data of DT1 and DT2 will be same.

c-2.Press "F.F" or "REW" to make "ADDRESS" number set to 7B.
And press "PLAY" or "STILL" button to set the DT1 data to the previous one
which was written in a-5 step.
After pressing "STOP(CONFIRM)" button, the data of DT1 and DT2 will be same.

c-3.Press "F.F" or "REW" to make "ADDRESS" number set to 7C.
And press "PLAY" or "STILL" button to set the DT1 data to the previous one

¡á Distribution List and Remarks

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No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	VP-A50/AMFO	NETHERLAND	
2	VP-A50/ATR	SWISS	
3	VP-A50/DIN	REUNION	
4	VP-A50/EAP	CZECHO	
5	VP-A50/EDIS	NORWAY	
6	VP-A50/ELST	AUSTRIA	
7	VP-A50/EURO	GREACE	
8	VP-A50/KL	MALLAYSIA	
9	VP-A50/NSI	DENMARK	
10	VP-A50/POL	POLAND	
11	VP-A50/SAPL	SINGAPORE	
12	VP-A50/SEAU	AUSTRALIA	
13	VP-A50/SECO	SPAIN	
14	VP-A50/SEF	FRANCE	
15	VP-A50/SEG	GERMANY	
16	VP-A50/SEH	HUNGARY	
17	VP-A50/SEI	ITALY	
18	VP-A50/SEMO	CIS	
19	VP-A50/SEP	PORTUGAL	
20	VP-A50/SES	SWEDEN	
21	VP-A50/SEUK	U.K	
22	VP-A50/SGE	UAE	
23	VP-A50/SIM	CANARY IS	
24	VP-A50/SMD	INDONESIA	
25	VP-A50/SSA	S.AFRICA	
26	VP-A50/TAW	LEBANON	
27	VP-A50/TSE	THAILAND	
28	VP-A50/ZAMA	SAUDIARBIA	
29	FST	CHINA	